



September 9, 2020

The Nepenthe Association
1131 Commons Dr.
Sacramento, CA 95825
Phone: (916) 929-8380
Email: Bettsi.Ledesma@fsresidential.com

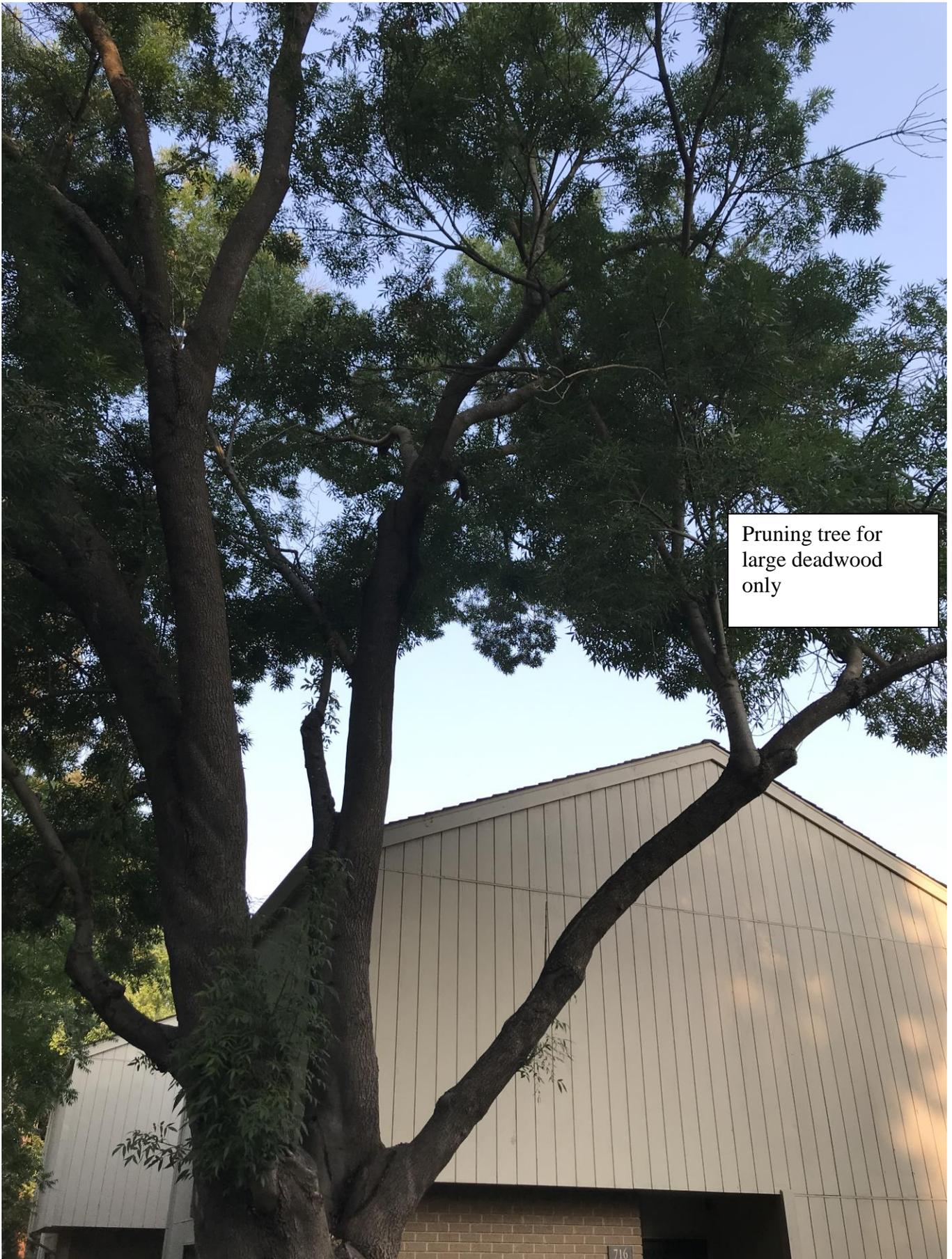
On September 3, 2020, I inspected several trees on the Nepenthe property during the monthly tree walk. The focus of the walk was to address resident/management concerns regarding mature trees on the property. The purpose of this report is to develop mitigation plans for the following trees and my recommendations are below. My recommendations are based on a Basic Visual Inspection. All decisions made based on the recommendations of this report are at the discretion of the Nepenthe Association.

- (Zone 6) Tree #1716 Locust (*Robinia pseudoacacia*) 800 Elmhurst. (Figure 1). This tree has had several limb failures due to weight. The tree canopy is unbalanced due to these failures, I recommend reduction pruning to reduce pressure from weight on limbs.
- (Zone 6) Trees #1743 Ash (*Fraxnis angustifolia*), 716 Elmhurst (Figure 2) We have been monitoring the decline rate in this tree by annual growth to deadwood ratio. The tree has several large dead limbs that require pruning to continue to monitor tree health
- (Zone 6) Trees #1714, 1745, Chinese pistache (*Pistacia chinensis*), 716 Elmhurst. Tree#1714 (Not Pictured) has full and over weighted canopy, I recommend full prune of trees Canopy. Tree #1745 (Figures 3-4), the canopy is in decline due to root related damage. The tree was likely planted root bound causing girdling roots to encircle the root ball causing portions of the root system to decline. I recommend removal and replacement of this tree.
- (Zone 6) Tree #1737 Ash (*Fraxnis angustifolia*), 718 Elmhurst, (Figure 5) this tree has full canopy and has one over extended limb over the drive way I recommend to prune back to reduce limb failure
- (Zone 6) Tree #1766 Locust (*Robinia pseudoacacia*), 618 Elmhurst (Figure 6). This tree has full and over weighted canopy. I recommend full prune of trees Canopy.
- (Zone 6) Tree No Tag Ginkgo (*Ginkgo biloba*), next to 708 Elmhurst. (Figure 7). This tree has the nursery stake still attached this should be removed immediately after planting unless absolutely necessary but should not stay on longer than 3 months after the tree is planted as it can cause damage to trunk development.

- (Zone 6) Tree No Tag Dogwood (*Cornus nuttallii*), 704 Elmhurst Circle. (Figure 8) This tree appears to be in decline and has signs of verticillium wilt this could be due to excess moisture in the soil. The tree should be removed and replaced
- (Zone 6) Tree #1806, Sweetgum (*Liquidambar styraciflua*), next to 506 Elmhurst Circle. (Figure 9). The tree canopy is full and heavy I recommend weight reduction pruning.
- (Zone 6) Trees # 1836, #1838 Sweetgum (*Liquidambar styraciflua*) 402 Elmhurst Circle (Figure 10-11) these two trees are roughly 3-4' from the side of the home and in an area that is very tree heavy. This has caused the trees to develop abnormal canopy. The trees have little development room side to side and the only available light is over the home causing the canopy to be heavier over the house. I recommend to remove these trees due to proximity to the home and the potential for the trees to cause damage to the home with limb failure.
- (Zone 6) Trees #1866, #1914 Pine (*Pinus canariensis*) 306 Elmhurst Circle. (Figure 12) Tree #1866 has a significant inclusion and is co dominate and has a potential for failure due to the nature of the inclusion. Tree #1914 appears to be thin and in decline. I recommend removal and replacement of these trees with a a more suitable variety.
- (Zone 6) Tree # Elm (*Ulmus parvifolia*), 306 Elmhurst Circle. (Figure 13) This tree has had a history of limb failure and has several wounds in the upper canopy that have not healed leaving the tree susceptible for future failure. Due to the extent of damage to the canopy the failures have cause pruning the tree to correct the damage and have aesthetic appeal is not attainable. In addition the tree is in a small planter location approximately 2' from the main entrance and is likely going to cause damage to the walkway. I recommend removal and replacement with a more suitable variety.
- (Zone 6) Tree #No Tag, Chinese flame tree (*Koelreuteria bipinnata*) 204 Elmhurst Dunbarton Circle. The tree has one long low limb that I propose to remove to redirect growth and development (Figure 14).
- (Zone 6) Trees #1964, #1962, Sweetgum (*Liquidambar styraciflua*), next to 106 Elmhurst Circle. (Figure 15-16). Tree #1964 has a full and heavy I recommend weight reduction pruning. Tree #1962 has a major inclusion between the main stems. One of the stems has a significant amount of weight over the home. Weight reduction pruning would not be efficient enough to prevent a failure. Due to the nature of the inclusion and the proximity to the home I recommend removal of this tree.
- (Zone 6) Tree #1967 Tulip tree (*Liriodendron tulipifera*) 1015 Elmhurst Circle, (Figure 17) this tree has developed an abnormal canopy due to overcrowding from other trees. However the tree that had been right next to it was removed leaving this tree susceptible to wind exposer. The tree has developed almost like a fan and there is no way to correct this growth through pruning. I recommend removal and replacement.



Figure 1



Pruning tree for large deadwood only

Figure 2



Figure 3



Damage to surface roots and encircling or "girdling" roots

Figure 4

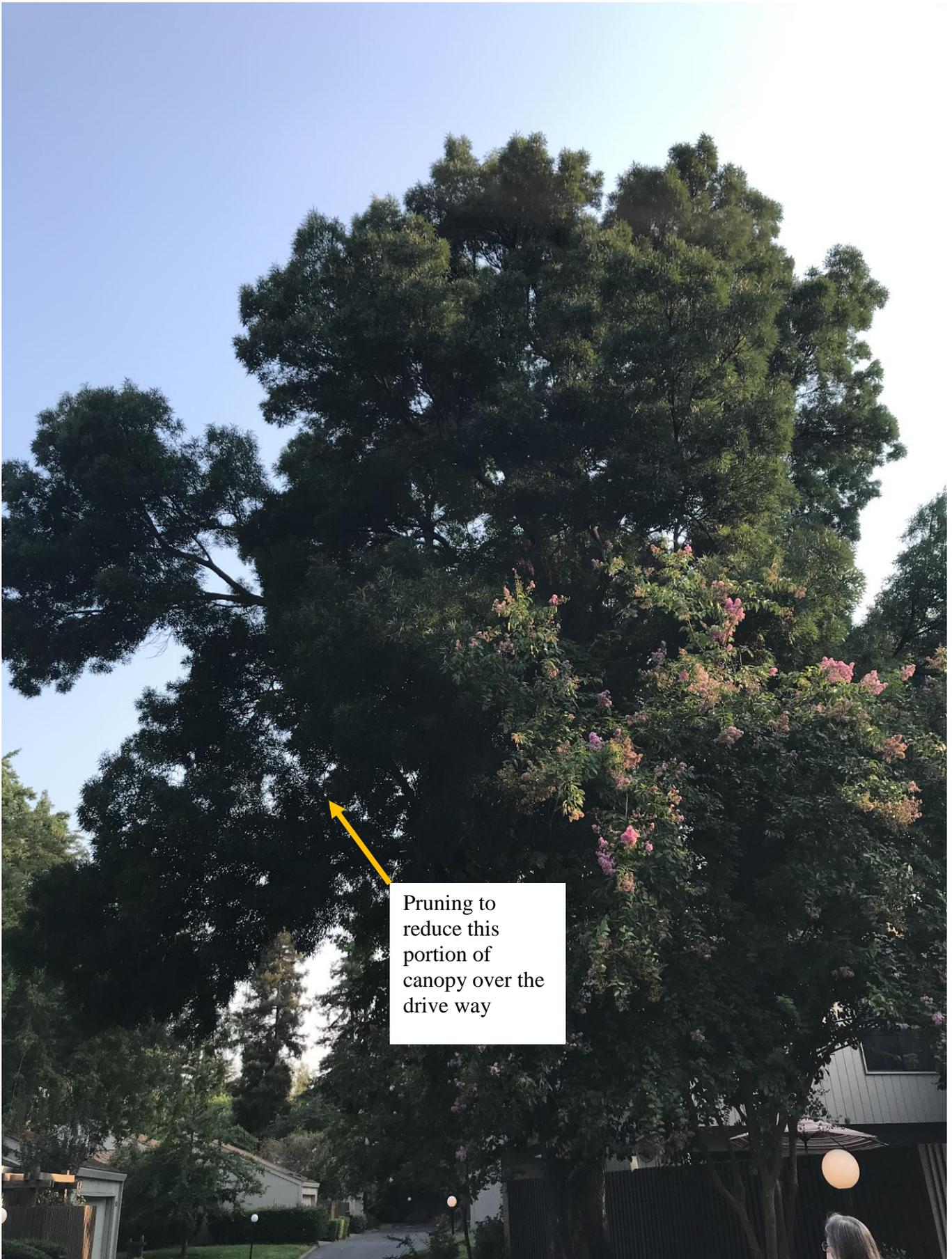


Figure 5



Weight
Reduction
pruning

Figure 6



Figure 7



Tree appears to have signs of verticillium however could be caused by over watering

Figure 8

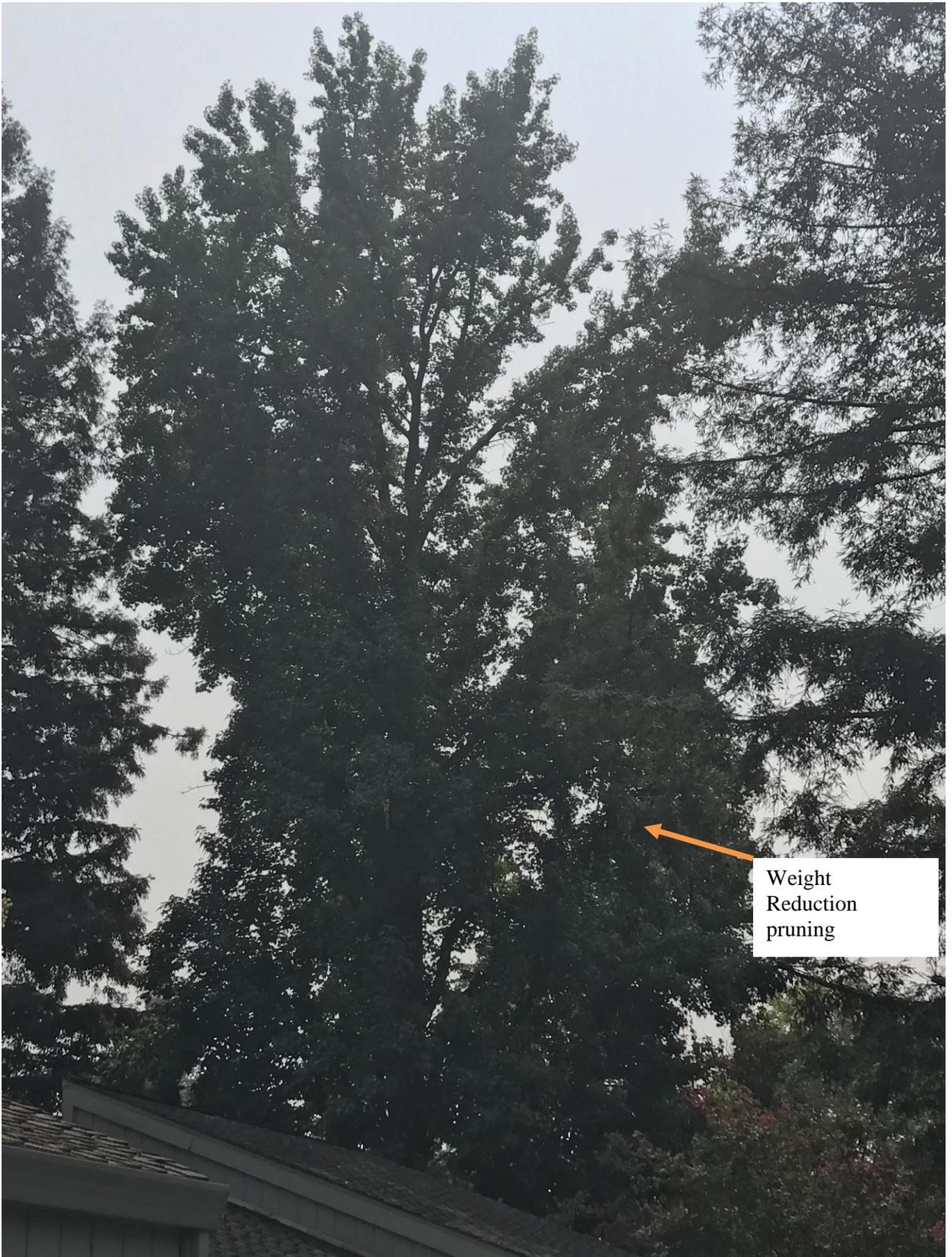


Figure 9

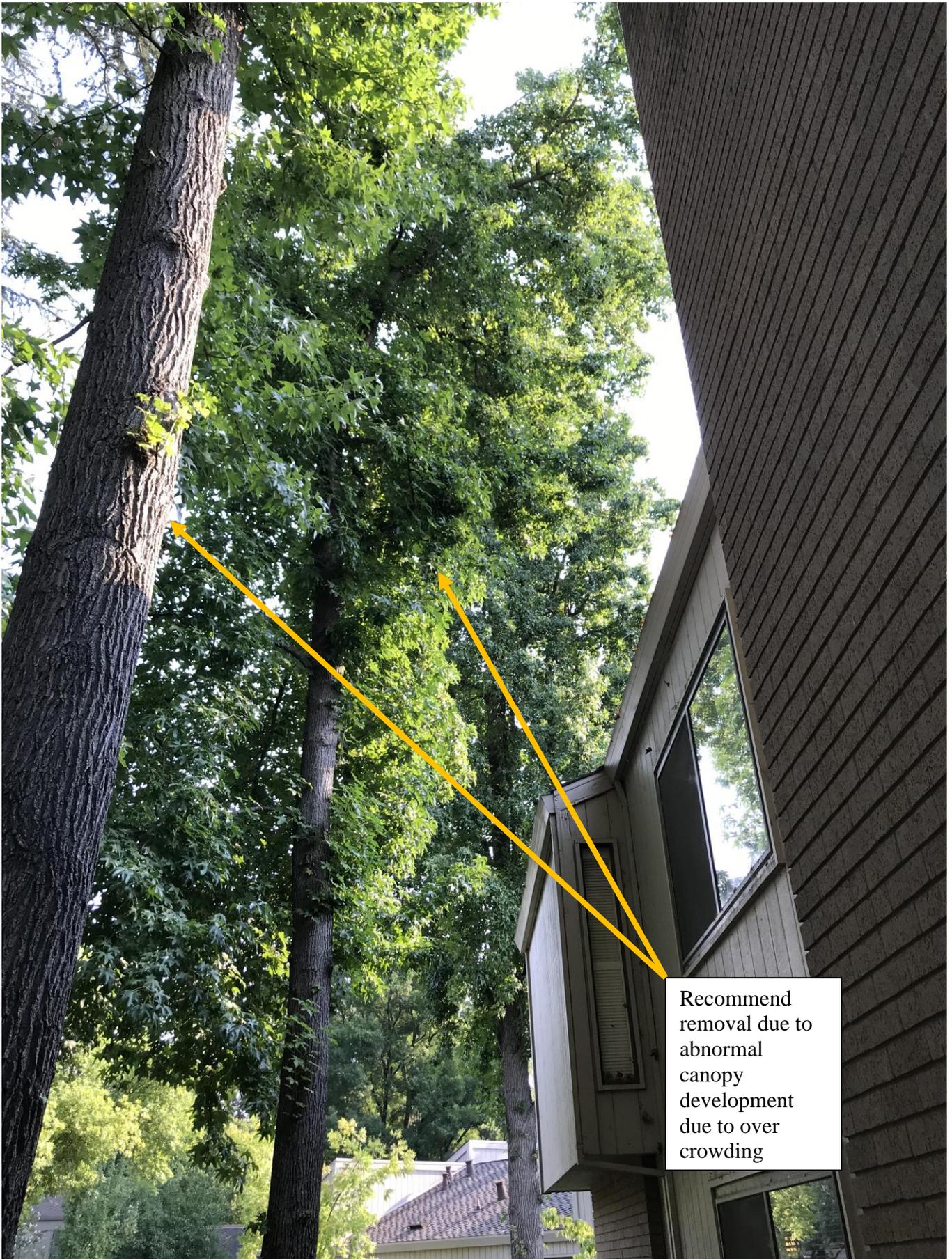


Figure 10



Trees canopy almost exclusively over the roof

Figure 11

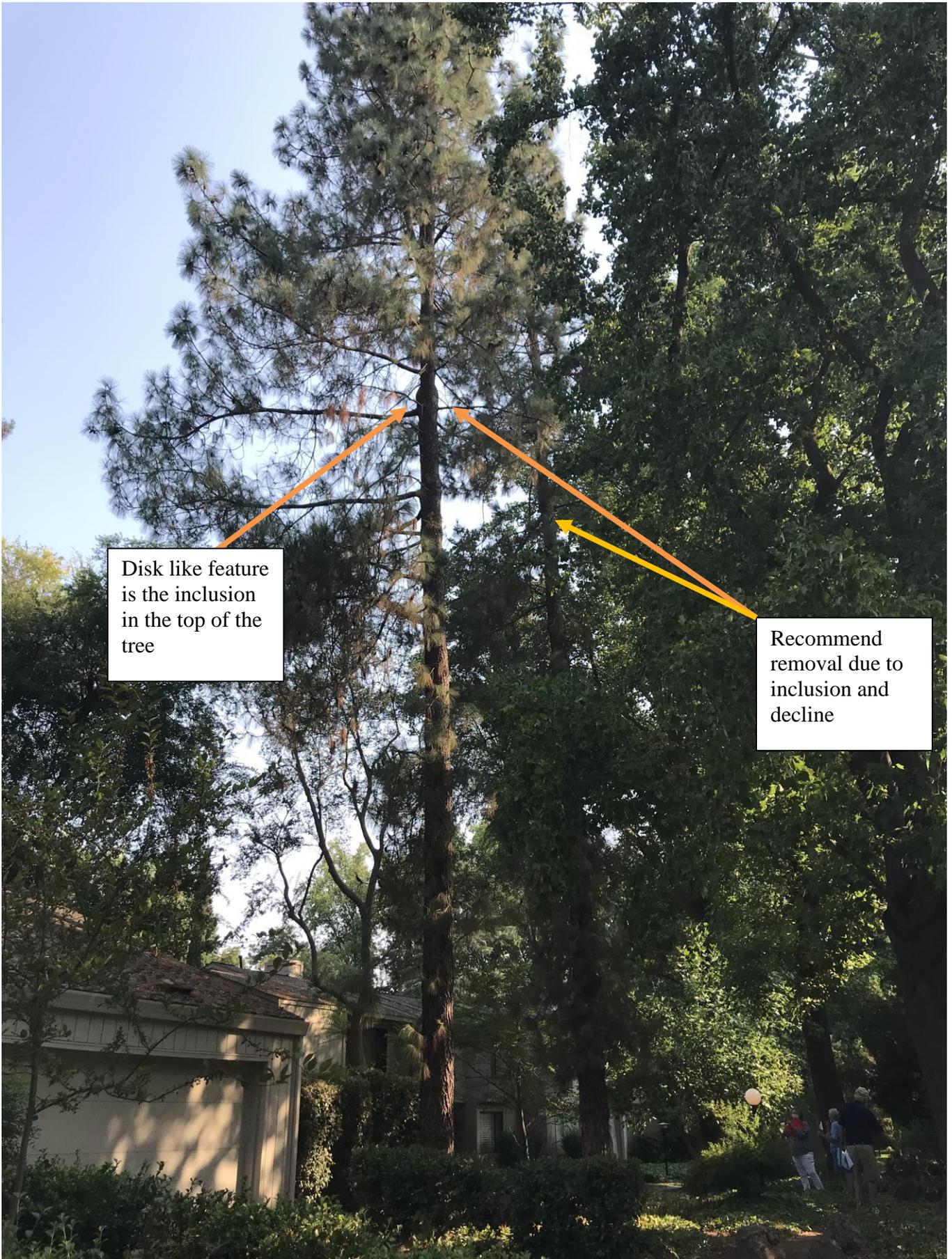


Figure 12

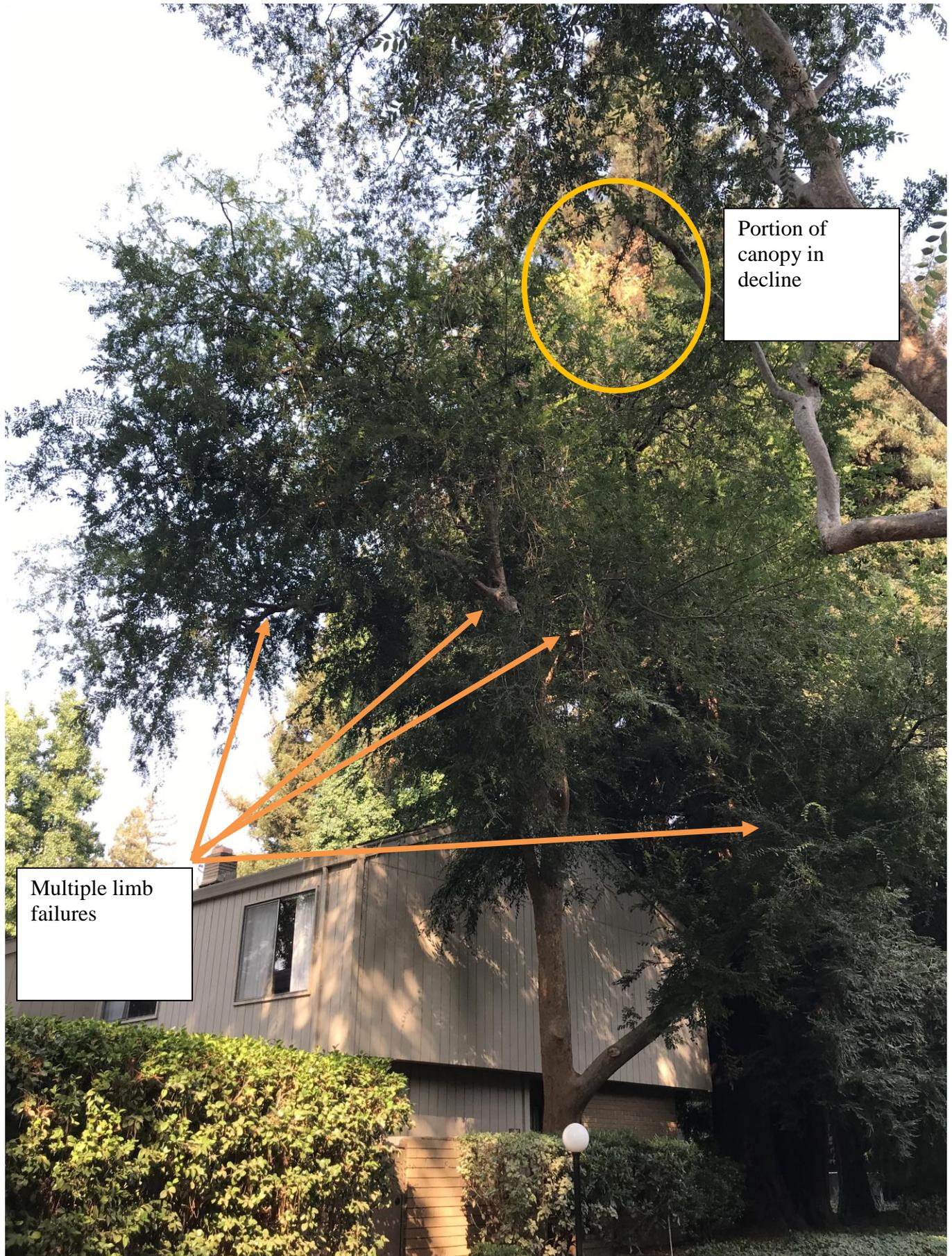
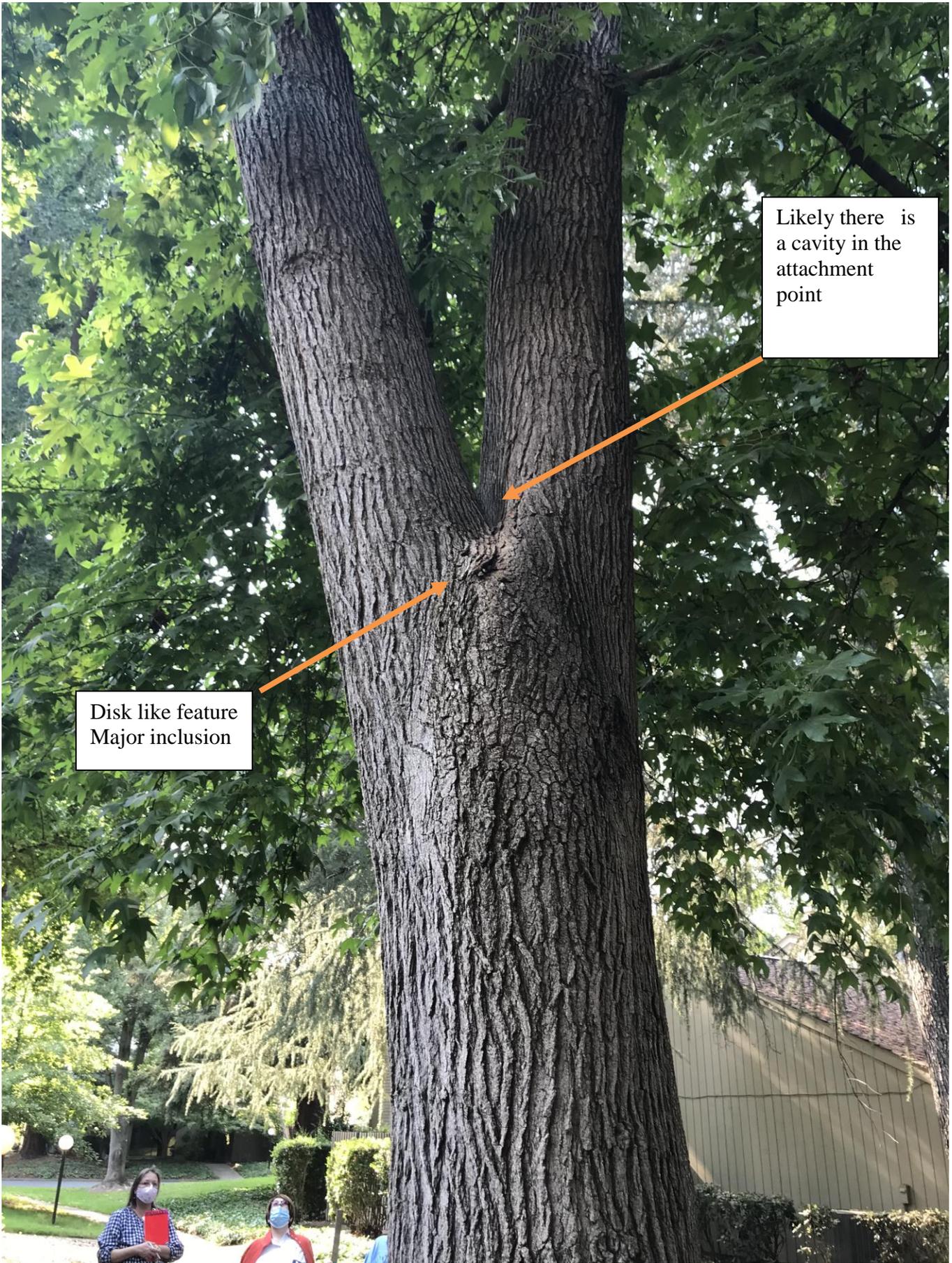


Figure 13



Figure 14



Disk like feature
Major inclusion

Likely there is
a cavity in the
attachment
point

Figure 15



Recommend
Weight
Reduction
pruning

Inclusion from
co dominate
stems
Recommend
removal

Figure 16



View from
front

Figure 17



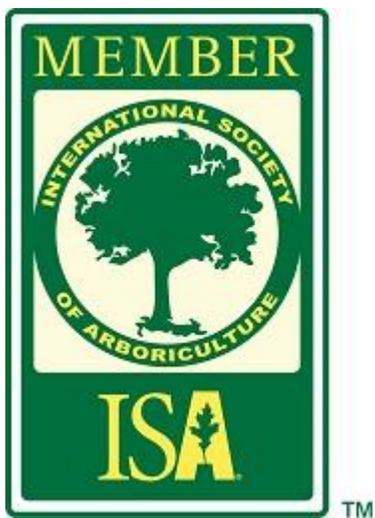
View from side

Figure 18

*This report is based on a basic visual inspection of the trees listed above. It is recommended that a more detailed evaluation of the trees be on a case by case basis at the request of Nepenthe association.

Sincerely,

Paul Dubois
The Grove Total Tree Care
ISA Board Certified Master Arborist WE-9034BUM
Qualified Tree Risk Assessor



9530 Elder Creek Road, Sacramento CA 95829
OFFICE: 916-231-8733 FAX: 916-856-5410

CONTRACTOR'S LICENSE: 470283

A DIVISION OF CARSON LANDSCAPE INDUSTRIES